

Report Date: 25 Jun 2014

Summary Report for Individual Task
551-88K-2510
Perform Harbor Tug Operations Onboard a Vessel
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA. foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: Assigned as a watercraft operator aboard an Army tug, given an Operation Order/Operations Plan (OPORD/OPLAN), a completed risk assessment, AR 56-9, COMDTINST_M16672_2C, DA Form 4640, FM 4-01.502, TC 4-15.51, Personal Protective Equipment (PPE), towing lines, towing cables, shackles, seizing wire, and chafing gear, day or night, in all weather conditions, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Perform harbor tug towing operations by moving the tow from and to directed location without injury to personnel or damage to tug, tow, or equipment IAW references.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Given an OPORD/OPLAN to perform harbor tug operations.

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Perform presail checks prior to getting underway.
 - a. Check the communication equipment.
 - b. Check the navigational, deck, search, and special working lights.
 - c. Check all navigational compasses.
 - d. Check the tug whistle.
 - e. Check the firefighting and all emergency equipment.
 - f. Check deck equipment.
 - g. Check that the lines are properly stowed for line handling operations.
 - h. Report anything deemed unsafe during your presail inspection to the vessel master and record the deficiencies on DA Form 2404.
2. Prepare the vessel for hip tow by completing the following:
 - a. Inspect towing lines.
 - b. Secure spring line on tow.
 - c. Secure bow line on tow.
 - d. Signal Vessel Master to go ahead on slow bell.
 - e. Secure stern line to tow.
3. Prepare vessel for push tow by completing the following:
 - a. Inspect towing gear.
 - b. Signal Vessel Master readiness status.
 - c. Secure starboard safety line.
 - d. Secure port safety line.
 - e. Attach port pusher cable to bitts on tow.
 - f. Attach starboard pusher cable to bitts on tow.
4. Monitor tow while moving.
5. Secure tow to new location.
6. Clear lines from tow.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all steps are passed (P). Score the Soldier NO-GO if any step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the TC and the evaluation guide to score the Soldier's performance. Brief the Soldier. Tell the Soldier what is required IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed presail checks prior to getting underway.			
2. Prepared the vessel for hip tow.			
3. Prepared the vessel for push tow.			
4. Monitored tow while moving.			
5. Secured tow to new location.			
6. Cleared lines from tow.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 56-9	Watercraft	Yes	No
	COMDTINST M16672.2C	Navigation Rules - International-Inland	No	No
	DA FORM 4640	HARBOR BOAT DECK DEPARTMENT LOG FOR CLASS A&B VESSELS	No	No
	FM 4-01.502	ARMY WATERCRAFT SAFETY	No	No
	TC 4-15.51	Marine Crewman's Handbook	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste. Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological,

and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2714	Compute Tide and Current Using References	551 - Transportation (Individual)	Obsolete
551-88K-2712	Perform Vessel Movements Using Aids to Navigation (ATONS)	551 - Transportation (Individual)	Obsolete
551-88K-2701	Observe Weather Conditions Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2715	Implement vessel Navigational Rules for Inland/International waters	551 - Transportation (Individual)	Obsolete

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-1506	Prepare Vessel for Docking and Undocking a Class A Vessel	551 - Transportation (Individual)	Approved
551-88K-1504	Perform Vessel Pre-Sail Requirements	551 - Transportation (Individual)	Approved
551-88K-1505	Conduct Line Handling Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3507	Monitor Inland Towing Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2504	Conduct Operation of Deck Equipment Onboard a Class-B Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2201	Maintain Vessel Log Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2515	Supervise Watch Standing Procedures Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2703	Conduct Tactical Operations Radios Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-2712	Perform Vessel Movements Using Aids to Navigation (ATONS)	551 - Transportation (Individual)	Obsolete
551-88K-2506	Conduct Vessel Pre-Sail Requirements Onboard a Class-B Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2713	Supervise Plotting Techniques to Determine a Vessel Position	551 - Transportation (Individual)	Obsolete
551-88K-2512	Perform Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
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55-2-0047	Perform Search and Rescue Operations	55 - Transportation (Collective)	Approved
55-2-0046	Conduct Firefighting Operations	55 - Transportation (Collective)	Approved
55-2-0050	Plan Firefighting Services in a Port Area.	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV
MOS 88K Watercraft Operator-SL2	Enlisted	MOS: 88K, Skill Level: SL2, Duty Pos: TCF